

Response to Office Action dated December 7, 2005
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Art Unit: 3753
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Listing of Claims:

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1. (Currently Amended) A heat exchanger comprising
an enclosure having at least one input connected to a combustion system and at least one output
connected to atmosphere for a first stream of fluid and at least one input connected to a source of a
fluid to be heated and at least one output connected to the source of fluid to be heated for a second
stream of fluid,
at least three plates secured within said enclosure,
wherein said plates are adapted to prevent physical admixture of at least two streams of fluid,
and wherein said plates are adapted to transfer heat from at least one of said streams to at least
one other of said streams.
2. (Original) The heat exchanger of claim 1, wherein said plates are arranged in a stack.
3. (Original) The heat exchanger of claim 2, wherein said stack comprises a plurality of approximately
parallel plates.
4. (Original) The heat exchanger of claim 2, wherein said stack is adapted to permit flow of clean air
within a first pair of plates, and combustion gas within a pair of plates that includes only one of said
first pair of plates.
5. (Original) The heat exchanger of claim 2, wherein said stack is adapted to permit flow of clean air
and combustion gas respectively within alternating pairs of said plates in said stack.
6. (Original) The heat exchanger of claim 1, wherein said plates are bent in a plurality of locations.
7. (Original) The heat exchanger of claim 6, wherein said plates are bent in a direction orthogonal to